

USHIO

ULTRAVIOLET LAMPS

GERMICIDAL



GERMICIDAL LOW-PRESSURE MERCURY-ARC LAMPS

USHIO Germicidal lamps are Low-Pressure Mercury-Arc lamps that emit radiation peaking at 253.7nm(UV-C).

Designed by experienced engineers, and by using quality material in combination with a tightly controlled manufacturing process, we provide high quality lamps free of impurities to maintain strong and stable output throughout the life of the lamp.

Our Germicidal lamps are manufactured at an ISO9001 certified facility. Emphasis on quality control and our large production capacity makes us an ideal OEM partner for providing consistent quality lamps with reliable delivery.

These lamps are components which may be used by customers to manufacture a variety of finished products.

FEATURES & BENEFITS

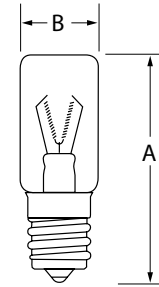
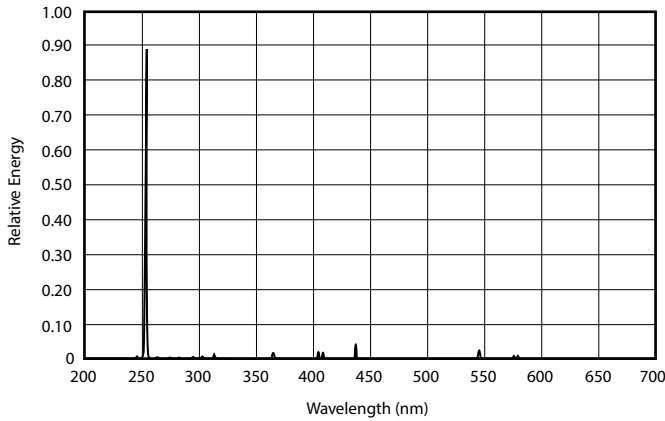
- Low Mercury dose to meet environmental demands
- Specially formulated coating achieves high output over long life hours
- High purity lamp construction to stabilize UV output and minimizes depreciation (averages 20-25% depreciation at end of life)
- Large production capacity providing lamps with consistent quality and reliable delivery
- Flexible design capability for custom lamp development

APPLICATIONS

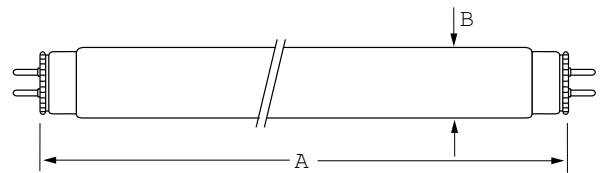
- Drinking Water
- Wastewater
- Air Conditioning System
- Pharmaceutical Processing
- Food Processing Facility
- Packaging Materials
- Laboratory/Research
- Photochemistry
- Clean Room
- Other Sterilization & Disinfection needs

Distributed by:

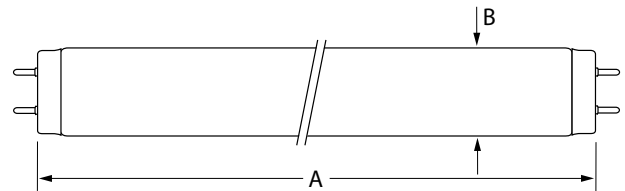
SPECTRAL DISTRIBUTION GERMICIDAL LAMP 253.7nm



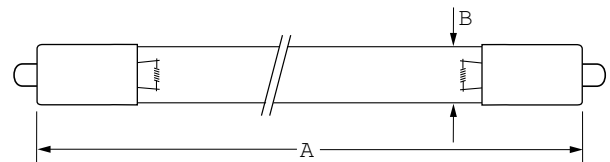
E17 Base



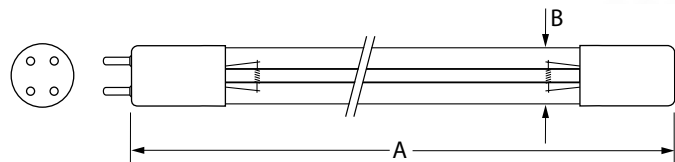
T5 Miniature Bi Pin G5 Base



T8 & T10 Medium Bi Pin G13 Base

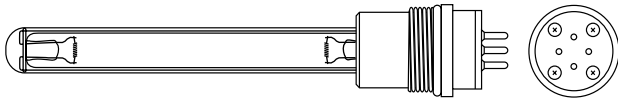


T5 Single Pin Base



T5 4-Pin Base

Double Tube Model is available by request
Contact USHIO's Germicidal product manager
for more information





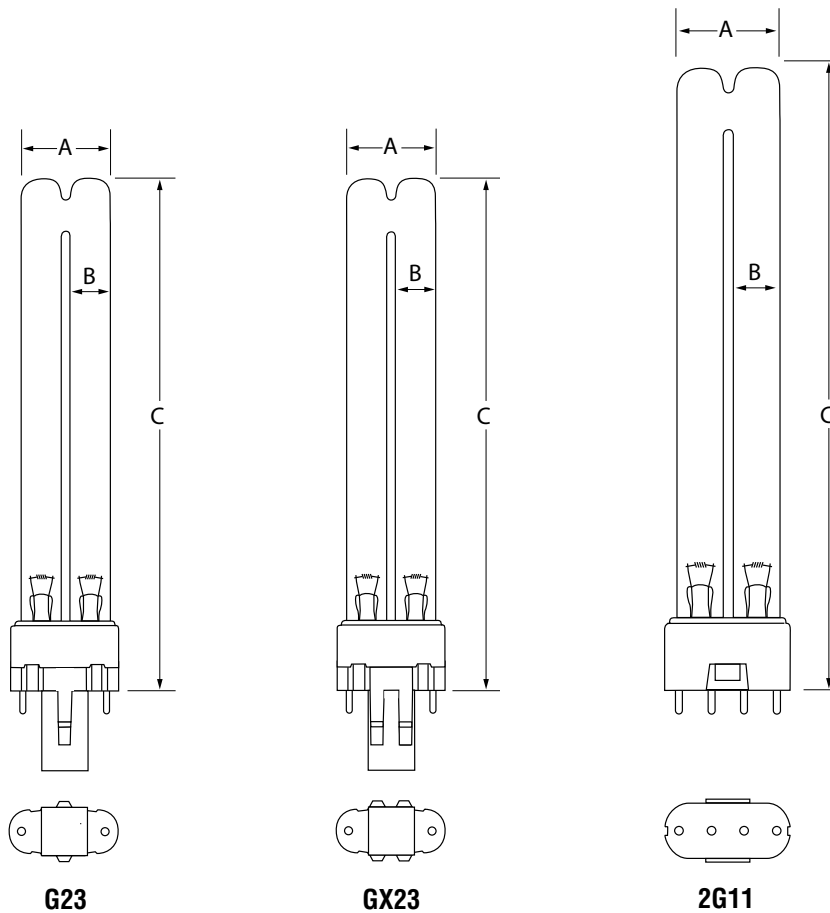
CHARACTERISTICS & SPECIFICATIONS

USHIO Ordering Code	USHIO Lamp Description	Dimensions				Watts (W)	Current (A)	Volts (V)	Spectral Peak (nm)	UV Output (W)	Avg Life (h)	Base
		Length (A)		Diameter (B)								
		(mm)	(in)	(mm)	(in)							
MINI BOWL INTERMEDIATE SCREW E17 BASE												
3000022	GTL3	63.0	2.48	20.0	0.79	3.0	0.300	10.5	253.7	0.16	3000	E17
T5 - MINIATURE BI PIN G5 BASE												
3000013	G4T5	134.5	5.30	15.5	0.61	4.5	0.170	29	253.7	0.8	6000	G5
3000015	G6T5	210.5	8.29	15.5	0.61	6.0	0.160	42	253.7	1.8	8000	G5
3000016	G8T5	287.0	11.30	15.5	0.61	7.2	0.145	57	253.7	2.2	8000	G5
3000311	G16T5	287.0	11.30	15.5	0.61	16.0	0.350	50	253.7	3.2	8000	G5
T8 - MEDIUM BI PIN G13 BASE												
3000006	G10T8	330.0	12.99	25.5	1.00	9.5	0.230	46	253.7	2.7	8000	G13
3000007	G15T8	436.0	17.16	25.5	1.00	15.0	0.305	55	253.7	4.9	8000	G13
3000008	G25T8	436.0	17.16	25.5	1.00	25.0	0.600	46	253.7	6.9	8000	G13
3000009	G30T8	893.0	35.16	25.5	1.00	30.5	0.355	99	253.7	13.9	8000	G13
T10 - MEDIUM BI PIN G13 BASE												
3000314	G20T10	588.5	23.17	32.5	1.28	19.0	0.360	58	253.7	7.5	8000	G13
3000315	G40T10	1198.0	47.17	32.5	1.28	39.5	0.420	106	253.7	19.8	8000	G13
T5 - SINGLE PIN												
3000338	G10T5L	357.0	14.06	15.5	0.61	16.0	0.425	55	253.7	5.3	9000	Single Pin
3000312	G36T5L	846.0	33.31	15.5	0.61	39.0	0.425	115	253.7	13.0	9000	Single Pin
3000313	G64T5L	1553.6	61.17	15.5	0.61	65.0	0.425	250	253.7	27.0	9000	Single Pin
T5 - SINGLE PIN - QUARTZ												
3000010	G36T5L	846.0	33.31	15.0	0.59	39.0	0.425	120	253.7	-	9000	Single Pin
3000014	G64T5L	1572.0	61.89	15.0	0.59	65.0	0.425	220	253.7	-	7500	Single Pin
T5 - SINGLE PIN - OZONE												
3000005	G10T5VH	375.0	14.76	15.0	0.59	16.0	0.425	55	253.7	-	7500	Single Pin
3000011	G36T5VH	860.0	33.86	15.0	0.59	39.0	0.425	120	253.7	-	7500	Single Pin
3000242	G64T5VH	1554.0	61.18	15.0	0.59	65.0	0.425	220	253.7	25.0	9000	Single Pin
T5 - 4-PIN BASE												
3000348	G14T5L/4P (GPH287)	287.0	11.30	15.5	0.61	14.0	0.400	40	253.7	3.0	8000	4-Pin
3000350	G22T5L/4P (GPH436)	436.0	17.16	15.5	0.61	22.0	0.420	62	253.7	7.0	8000	4-Pin
3000343	G36T5L/4P	846.0	33.31	15.5	0.61	39.0	0.425	115	253.7	13.0	9000	4-Pin
T5 - 4-PIN BASE - QUARTZ												
3000425	G10T5L/4P	357.0	14.06	15.0	0.59	16.0	0.425	55	253.7	5.7	9000	4-Pin
3000423	G64T5L/4P	1554.0	61.18	15.0	0.59	65.0	0.425	220	253.7	25.0	9000	4-Pin
T5 - 4-PIN BASE - OZONE												
3000354	G10T5VH/4P	357.0	14.06	15.0	0.59	16.0	0.425	55	253.7	5.7	9000	4-Pin

Average lamp life and output measurements taken under laboratory conditions in open air.
Lamps are cycled for 2hrs 45minutes on / 15minutes off when testing life and output.
Lamp data is for reference only. Actual lamp performance depends on system design and operating conditions.

Warning: Protect your eyes and skin when operating Germicidal lamps.
Equipment should be designed to completely screen or filter UV-C radiation.

- LAMP CONTAINS MERCURY
Manage in Accord with Disposal Laws
See: www.lamprecycle.org or 1-800-895-8842



USHIO Ordering Code	USHIO Lamp Description	Dimensions						Watts (W)	Current (A)	Volts (V)	Spectral Peak (nm)	UV Output (W)	Avg Life (h)	Base
		Diameter (A)		Diameter (B)		Length (C)								
G23 & GX23 BASE														
3000321	GPX5	28.0	1.10	13.0	0.51	85.0	3.35	5.5	0.180	35	253.7	1.2	8000	G23
3000304	GPX9	28.0	1.10	13.0	0.51	145.0	5.71	9.0	0.180	59	253.7	2.4	8000	G23
3000322	GPX11	28.0	1.10	13.0	0.51	215.0	8.46	11.8	0.155	91	253.7	3.0	8000	G23
3000323	GPX13	28.0	1.10	13.0	0.51	170.0	6.69	13.4	0.285	59	253.7	3.6	8000	GX23
2G11 BASE														
3000324	GPL18K	40.0	1.57	20.0	0.79	225.0	8.86	18.0	0.375	58	253.7	5.5	8000	2G11
3000339	GPL36K	40.0	1.57	20.0	0.79	415.0	16.33	36.0	0.435	106	253.7	12.0	8000	2G11

Average lamp life and output measurements taken under laboratory conditions in open air. Lamps are cycled for 2hrs 45minutes on / 15minutes off when testing life and output. Lamp data is for reference only. Actual lamp performance depends on system design and operating conditions.

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Scan with a smartphone to view this product online.

Form No. S-GRM/R-1013

The specifications on this sheet supercede all previously published specifications and may be subject to change for design and specification improvement without prior notice.